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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: **Ken IZUMORI et al.**

Group Art Unit: 1653

Serial Number: **10/541,822**



Examiner: **Not yet assigned**

Filed: **July 11, 2005**

Confirmation Number: **8335**

For: **GENE SEQUENCE OF L-RHAMNOSE ISOMERASE HAVING NEW CATALYTIC FUNCTION AND USE THEREOF**

Attorney Docket Number: **052800**

Customer Number: **38834**

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97(b)

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

January 31, 2006

Sir:

In compliance with 37 C.F.R. §1.56, Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached PTO/SB/08. This paper is being filed within the time periods set forth in 37 C.F.R. §1.97(b). A copy of each non-U.S. document is enclosed herewith.

Please note that copies of references of cite No. 8-11 were previously omitted because it is believed that the references had been transmitted by the International Bureau.

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Respectfully submitted,

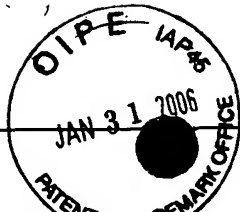
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Enclosures: PTO/SB/08
13 Document(s)



Combined Form PTO/SB/08A&B

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Completed

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Sheet

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of

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
	1	JP	5112455		05-07-1993	SNOW BRAND MILK PROD CO., LTD, et al.	Abstract
	2	JP	7285871		10-31-1995	MIKIMOTO PHARMACEUT CO., LTD.	Abstract
	3	JP	57-129671		08-11-1982	Biospherics Incorporated	Abstract
	4	JP	4198115		07-17-1992	SANSHO SEIYAKU CO., LTD.	Abstract
	5	JP	2000103728		04-11-2000	SHISEIDO CO., LTD.	Abstract
	6	JP	2286620		11-26-1990	RIIDE CHME K.K.	Abstract
	7	EP	0560284	B1	07-09-1997	GODO Shusei Co., Ltd.	Yes

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
	8	Bhuiyan, S.H., et al., "Preparation of L-Talose and D-Gulose from L-Tagatose and D-Sorbose, Respectively, Using Immobilized L-Phamnose Isomerase", Journal of Bioscience and Bioengineering, Vol.88, No.5, p567-570, 1999	
	9	Bhuiyan, S.H., et al., "Immobilization of L-Rhamnose Isomerase and Its Application in L-Mannose Production from L-Fructose", Journal of Fermentation and Bioengineering, Vol.84, No.6, p558-562, 1997	
	10	Bhuiyan, S.H., et al., "D-Allose Production from D-Psicose Using Immobilized L-Rhamnose Isomerase", Journal of Fermentation and Bioengineering, Vol.85, No.5, p539-541, 1998	
	11	Bhuiyan, S.H., et al., "Isolation of an L-Rhamnose Isomerase-Constitutive Mutant of Pseudomonas sp. Strain LL172: Purification and Characterization of the Enzyme" Journal Fermentation and Bioengineering, Vol.84, No.4, p319-323, 1997	
	12	Shigeru MIO et al, "Synthetic Studies on (+)-Hydantocidin (3): A New Synthetic Method for Construction of the Spiro-Hydantoin Ring at the Anomeric Position of D-Ribofuranose", Tetrahedron Vol.47, No.12/13, p2133-2144, 1991	
	13	Annie GROUILLER et al., "Synthesis of D-Psico-and D-Fructofuranosyl Nucleosides", Acta Chemica Scandinavica B., Vol.38, No. 5, p367-373, 1984	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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